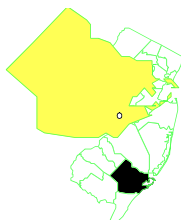


**D'IMPERIO
PROPERTY
NEW JERSEY**
EPA ID# NJD980529416



**EPA REGION 2
CONGRESSIONAL
DISTRICT #2**
Atlantic County
Hamilton Township

Other Names:
Motel Dennis

Site Description

The D'Imperio Property site is a 15-acre parcel of undeveloped real estate, of which 1½ acres was used as an unauthorized dump in the mid-1970's. The disposal area consisted mainly of partially buried and ruptured metal drums. Many of the drums contained metals and various volatile organic compounds (VOCs), including solvents. The ground water is contaminated and the contaminant plume has been detected in two aquifers. The site is located in a semi-rural area that is now becoming commercialized. Approximately 6,000 people within 3 miles of the site use ground water for drinking. Twenty private wells are located within 1 mile, with the closest well 300 feet upgradient of the site. The site is within the New Jersey Pineland Reserve. The Babcock Swamp wetlands, which are drained by Babcock Creek, are approximately 2000 feet to the southwest.

Site Responsibility: This site is being addressed through Federal and responsible party actions.

NPL LISTING HISTORY

Proposed Date: 10/01/81
Final Date: 09/01/83

Threats and Contaminants



Surface soils were contaminated with volatile organic compounds (VOCs), metals, and phenol. The sub-surface soils and ground water are contaminated with VOCs. Human exposure to site-related contaminants may occur through ingestion of contaminated groundwater or direct contact with contaminated soils.

Cleanup Approach

This site is being addressed in two stages: an immediate action and a long-term remedial phase focusing on cleanup of the entire site.

Response Action Status



Immediate Action: In 1982, EPA constructed a fence to prevent people from entering the site and coming into contact with hazardous substances.



Entire Site: In 1985, EPA selected a remedy to clean up the site that included: (1) excavating and transporting of approximately 3,900 cubic yards of contaminated waste, soil, and drums to an off-site EPA-approved facility; (2) constructing a Resource, Conservation and Recovery Act (RCRA) cap over the former disposal area; and (3) pumping and treating of the ground water to remove the contaminants and then discharging the clean water back into the aquifers.

On July 3, 2003, EPA issued a Record of Decision (ROD) Amendment which modified the final component of the 1985 selected remedy from a RCRA cap to vapor extraction and treatment of the residual subsurface soil contamination at the former disposal area.

Cleanup Progress (Actual Construction Underway)

In 1987, EPA removed 82 buried drums and 3,900 cubic yards (6240 tons) of contaminated soil, and disposed of it in an approved off-site facility.

In September 1992, EPA completed the technical specifications for the groundwater pump and treatment system. In August 1993, EPA issued a Unilateral Administrative Order (UAO) to 14 potentially responsible parties (PRPs) requiring them to perform a ground-water investigation to define the extent of the contaminated groundwater plume and to construct and operate a ground-water pump and treatment system. The PRPs completed the ground-water investigation in November 1994 and in August 1996 they completed construction of the groundwater pump and treatment system. However, technical problems prevented the system from operating at the design capacity of 155 gallons/minute. In August 1997, the PRPs resolved all the technical issues and the groundwater treatment system began operating at full capacity. In April 1999, the system was expanded to include groundwater extraction and re-injection in the Lower Cohansey Sand aquifer.

The Administrative Order issued to the PRPs contained a provision in the Statement of Work requiring a soil study of the former dump area. That provision allows for the evaluation of remnant source material within the context of the operational groundwater system and the successful removal action. In October 1998, the PRPs completed the soil sampling study, and in May 1999 submitted a report of the results. Based on the results of this report, EPA has concluded that contaminated subsurface soils remain at the former disposal area. The PRPs subsequently agreed to perform additional investigations for the remaining contaminated subsurface soils in the former disposal area.

In January 2000, EPA issued a modification to the UAO that required the PRPs to further investigate the former disposal area. The PRPs performed such investigation in June 2000. In September 2000, the PRPs submitted a soils evaluation report which assessed other remedial alternatives to the previously selected cap remedy. This report was used as a basis for amending the third component of the 1985 selected remedy to directly address the residual subsurface soil contamination.

On November 20, 2002, EPA issued a Post-Decision Proposed Plan. The public comment period was provided from November 20, 2002 through January 3, 2003 which included a public meeting on December 11, 2002. The ROD Amendment was issued in July 2003.

In October 2003, EPA issued a new UAO to the PRPs requiring them to design, construct and operate a soil vapor extraction system for treatment of the residual subsurface soil contamination. The remedial design work plan is expected to be submitted in December 2003.

EPA is also monitoring the groundwater cleanup progress. As part of our effort to ensure the effectiveness of the groundwater remedy, EPA required the PRPs to initiate a supplemental groundwater investigation. A work plan was approved by EPA in July 2003, and field activities commenced in August 2003. Five new monitoring wells were installed and sampled as part of a comprehensive groundwater sampling event. Field activities continue with the hydraulic (pump) testing at the site.

Environmental Progress



By securing the site with a fence, removing the contaminated soil and drums, and installing the ground water pump and treatment system, EPA believes the potential for exposure to contaminated materials and groundwater at the D'Imperio Property site has been significantly reduced.

Site Repository



Hamilton Township Clerk's Office, Room 201, 6101 Thirteenth Street, May's Landing, NJ 08330

